

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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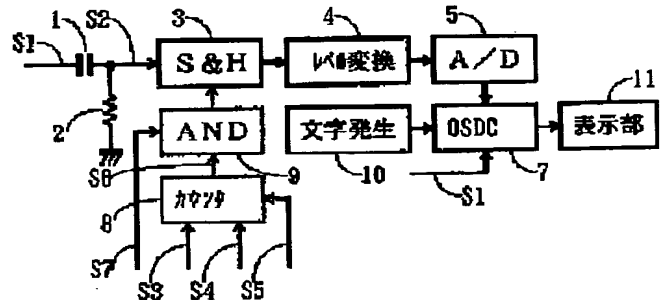
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TITLE : CHARACTER SUPERIMPOSING  
CIRCUIT



ABSTRACT : PURPOSE: To provide a character superimposing means good in visibility even when the APL of an entire display screen is different from the luminance level of the nearby background for displaying characters.

CONSTITUTION: A video signal S1 is passed through a circuit composed of C1 and R2 to obtain a signal S2, whose average level is 0V. A horizontal synchronizing signal S6 at the almost center of a character superimposed area is obtained by a counter defining a horizontal synchronizing signal S3 as a clock. A clamp pulse S7 is gated corresponding to the signal S6 by a gate 9, and the syncchip level of the signal S2 is sampled and held corresponding to the output by a sample/hold circuit 3. The level of that output is matched by a level converter 4, converted to a digital signal by a converting circuit 5 and then inputted to an on-screen display controller(OSDC) 7 later as the luminance level of superimposed characters. The OSDC 7 controls the level of a character signal from a character signal generating circuit 10, puts that signal on the video signal S1, outputs it to a display 11 and displays it.

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